

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____DATE FILED 1-13-86LAND: FEE & PATENTED X STATE LEASE NO. _____

PUBLIC LEASE NO. _____

INDIAN _____

DRILLING APPROVED: 4-4-86 (Cause No. 156-3)

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: OPA 8-18-88FIELD: MEXICAN HAT

UNIT: _____

COUNTY: SAN JUANWELL NO. NORDEEN 86-2API #43-037-31252LOCATION 660' FNL

FT. FROM (N) (S) LINE.

1970' FWL

FT. FROM (E) (W) LINE.

NE NW

1/4 - 1/4 SEC.

5

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

42S19E5SAN JUAN MINERALS EXPL.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING5. Lease Designation and Serial No.
private

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

Nordeen

9. Well No.

86-2

10. Field and Pool, or Wildcat

MEXICAN HAT
~~undesignated~~11. Sec., T., R., M., or Blk.
and Survey or Area**Sec 5 T 42 S R 19 E**

12. County or Parrish 13. State

San Juan**UT**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil
Well ☒Gas
Well ☐

Other

Single
Zones ☐Multiple
Zones ☐

2. Name of Operator

San Juan Minerals Exploration Co.3. Address of Operator **Rt. 1 Box 52 Blythe, CA 92225****JAN 13 1986**

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

660' F /NL and 1970' F / WL

At proposed prod. zone

**DIVISION OF OIL
GAS & MINING****NE/NW**

14. Distance in miles and direction from nearest town or post office*

3 1/2 miles from Mexican Hat, UT15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drlg. line, if any)**660'**

16. No. of acres in lease

90717. No. of acres assigned
to this well**unrestricted spacing**18. Distance from proposed location*
to nearest well, drilling, completed,
or applied for, on this lease, ft.**200'**

19. Proposed depth

450'

20. Rotary or cable tools

rotary

21. Elevations (Show whether DF, RT, GR, etc.)

4240 gr

22. Approx. date work will start*

March 1986

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
8 3/4	7	20	60	10 sk to surface
6 1/4	4 1/2	14	TD	25 sk

~~XXXXXXXXXX~~Drill 8 3/4 hole with spud mud to set 7" surface casing. Drill hole
with 6 1/4 hole with air to TD. If productive, run 4 1/2 casing to TD.

This is known as a low pressure area. Adequate blow out prevention equipment will be used.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MININGDATE: **4-4-86**BY: **John R. Bay**WELL SPACING: **Case 156-3****4/15/80**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

Jack Williams

Title

President

Date

1-7-86

(This space for Federal or State office use)

Permit No.

43-037-31252

Approval Date

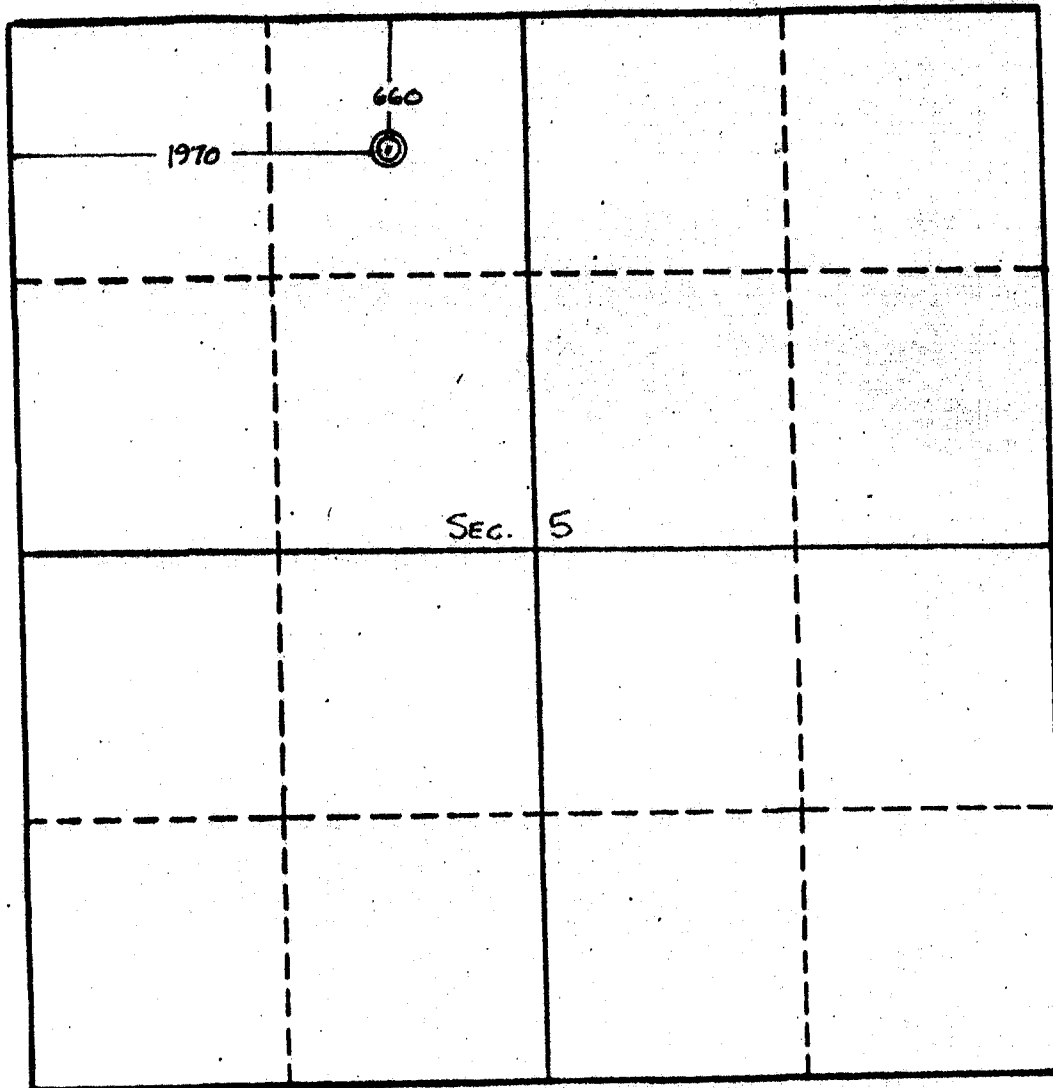
Approved by

Title

Date

Conditions of approval, if any:

Company Jack Williams
Well Name & No. 86-2
Location 660' F/NL 1970' F/WL
Sec. 5, T. 42 S., R. 19 E., S. L. M., County San Juan, Utah
Ground Elevation 4240



Scale, 1 inch = 1,000 feet

Surveyed December 10, 1985

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:



Edgar L. Risenhoover
Edgar L. Risenhoover
Registered Land Surveyor
New Mexico Reg. No. 5979

Non-resident certification as
authorized by Utah State Law
58-22-21(b)

RECEIVED

ONSITE PREDRILL INSPECTION FORM

JAN 29 1986

DIVISION OF OIL
GAS & MINING

COMPANY San Juan Minerals
Exploration Company WELL NO. Nordeen #86-2

LOCATION: SECTION NENW5 TOWNSHIP 42S RANGE 19E COUNTY San Juan

LEASE NO. FEE ONSITE INSPECTION DATE 22 January 1986

(A) PERSONS IN ATTENDANCE Luther Risenhoover/representing Jack Williams of
San Juan Minerals Exploration Co . Patrick deGruyter/DOGM

(B) SURFACE FORMATION AND CHARACTERISTICS location is blow sand - adjacent cliffs
are Halgaito Fm (lower Permian Cutler Group) mostly reddish brown siltstone and
sandstone

(C) BRIEF DESCRIPTION OF VEGETATION Morman tea, rice grass, sage brush, cheat
grass, snakeweed

(D) ARCHAEOLOGICAL CLEARANCE: YES OR NO NA

(E) DESCRIPTION OF TOPOGRAPHY (drainages, slope, roads, etc.) base of approximately
30' cliffs - small N running drainage on W side of location

(F) CONDITIONS FOR APPROVAL:

PIT LINING (YES OR NO) NO

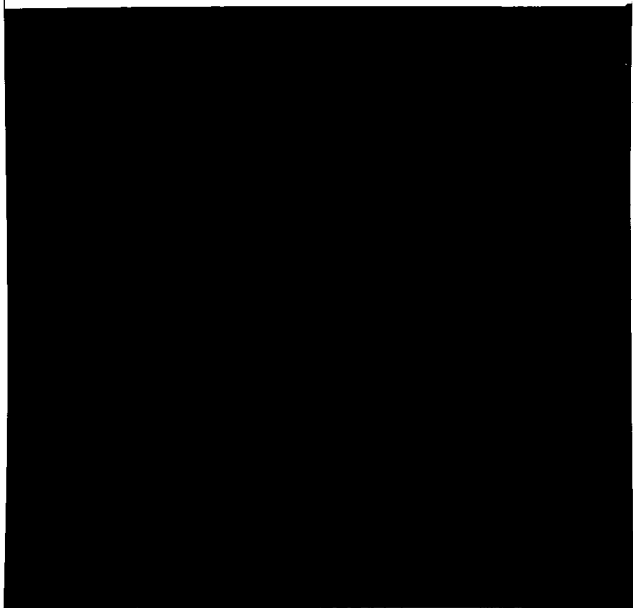
TYPE OF LINING IF NEEDED NA

ADDITIONAL REQUIREMENTS (1) keep pit out of and away from all natural drainages
(2) well sign on location prior to spud

SIGNATURE: Patrick deGruyter TITLE Oil & Gas Field Specialist



22 Jan 86 - looking W at center
stake of Nordeen #86-2
NENW 5 T42S R19E San Juan Co Utah



0000000000

22 Jan 86 looking W at 8G-2

SAN JUAN MINERALS EXPLORATION COMPANY

ROUTE 1, BOX 52

BLYTHE, CALIFORNIA 92225

San Juan Minerals Exploration
APD - Nordeen Lease

Well No. 86.2

Eight Point Drilling Plan

1. Formations surface to Pay

0-10' - Blow sand

10' - Bed Shale

10'- 100' - Rico formation

270' - Goodridge formation - which is approximately 50-80' feet thick
Plan to drill to bottom of Goodridge formation

2. Estimate of oil, water or gas (other minerals)

Do not expect to hit water or gas or other minerals; just oil.. Existing wells did not have any water or gas

3. Pressure control equipment

This is a low pressure area. Adequate blow out prevention equipment will be used

4. Casing program and all equipment

4½" casing with cement pump down and back up outside with drilling rig.
No other equipment required

5. What used when drilling

Drilling with air and slight amount of foam

6. Core and logging program

No coring to be done, the only log is driller's log which is done according to state regulations

7. No abnormal conditions anticipated. No bottom hole pressure anticipated.

8. Tentative starting date: March 10, 1986

SAN JUAN MINERALS EXPLORATION COMPANY

ROUTE 1, BOX 52

BLYTHE, CALIFORNIA 92225

APD - Nordeen Lease

1. Existing Roads and How to get to Sites
See Figure A
2. Planned Access Roads
See Figure A
3. Location of existing wells
There is one well on private land and one on BLM: See Figure A
4. See Figure A
5. Water Supply
Mexican Hat water supply
6. Construction materials - NONE
7. Method of Handling Waste: Pit for water; wire trash basket
8. Ancillary facilities: Does not apply
9. Well site Lay Out - See Figure B
10. Private Surface Owner: Nordeen (Allen Nordeen)
11. This is private land
12. Other Information - This is a shallow well - no gas or water
13. Lessee or Operator: San Juan Minerals Exploration
Jack Williams
Rt. 1 Box 52
Blythe, CA 92225
619 922-4422 or 922-2222 (try first)

1001 road

Figure (A)

Well on B & M operated by Clint Howell

Oil Hat rock

Highway 163

← to mason pit

accursed 86-2

tank

old well now bgn pump morden #1

accursed

86-4

accursed

86-6

86-10

accursed

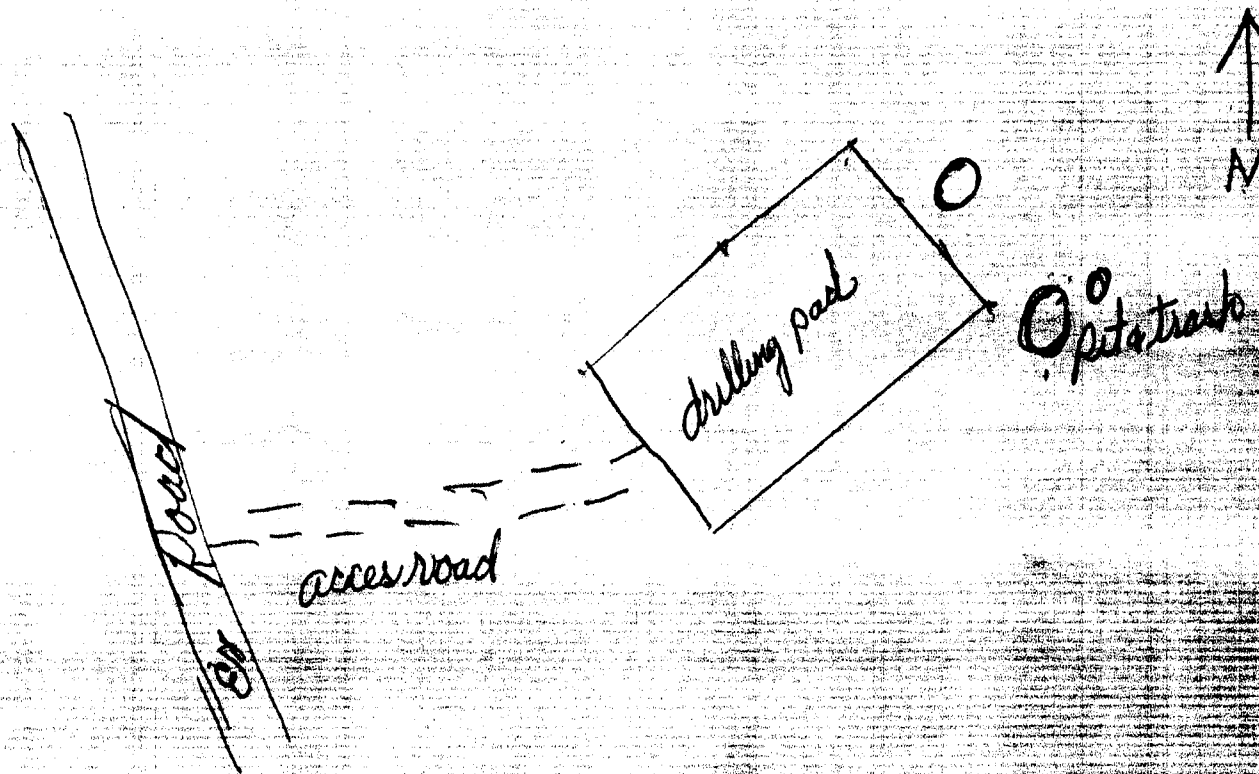
86-8

See 5

SW

SE

Figure B



All the wells permitted will have same drilling
pad built in N.E. northeast direction to follow natural
lay of land

OPERATOR San Juan Minerals Exp. Co. DATE 1-14-86

WELL NAME Norden 86-2

SEC NE NW 5 T 42S R 19E COUNTY San Juan

43-037-31252
API NUMBER

Free
TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST WELL

☒ LEASE

☒ FIELD

☒ POTASH OR OIL SHALE

PROCESSING COMMENTS:

Cause No. 156-3
Need water permit

APPROVAL LETTER:

SPACING: ☐ 203 UNIT ☐ 302

☒ 156-3 4-15-80 ☐ 302.1
CAUSE NO. & DATE

STIPULATIONS:

- 1- Water
- 2- The location shall be oriented such that the placement of the reserve pit avoids all natural drainages.
- 3- In accordance with Rule 304, each well shall be identified with a posted sign during both drilling and production.

ONSITE PREDRILL INSPECTION FORM

San Juan Minerals
 COMPANY Exploration Co WELL NO. Nordeen 26-2
 NENW
 LOCATION: SECTION 5 TOWNSHIP 42S RANGE 19E COUNTY San Juan
 LEASE NO. FEE ONSITE INSPECTION DATE 22 Jan 86

(A) PERSONS IN ATTENDANCE Luther Eisenhower Pat deGruyter / DEGM
C rep for Jack Williams SIMECO

(B) SURFACE FORMATION AND CHARACTERISTICS location
blow sand - adjacent
cliffs are Halcito Fm (lower Permian Cutler group)
mostly reddish brown siltstone & sandstone

(C) BRIEF DESCRIPTION OF VEGETATION mormon tea, rice grass
sage brush, cheat grass, snake weed

(D) ARCHAEOLOGICAL CLEARANCE: YES OR NO NA

(E) DESCRIPTION OF TOPOGRAPHY (drainages, slope, roads, etc.) base of 30' cliffs
Small drainage on W side of location

(F) CONDITIONS FOR APPROVAL:

PIT LINING (YES OR NO) No

TYPE OF LINING IF NEEDED NA

ADDITIONAL REQUIREMENTS keep pit out of & away from all
natural drainages - well sign on location before
spud - well sign to include Postages 1/4 1/4 sec T/R.
well name & #

SIGNATURE: Pat deGruyter TITLE Oil & Gas Field Spec



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 4, 1986

San Juan Minerals Exploration Company
Route 1, Box 52
Blythe, California 92225

Gentlemen:

Re: Well Name: Nordeen 86-2 - NE NW Sec. 5, T. 42S, R. 19E
660' FNL, 1970' FWL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 156-3 dated April 15, 1980 subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.
2. The location shall be oriented such that the placement of the reserve pit avoids all natural drainages.
3. In accordance with Rule 304, each well shall be identified with a posted sign during both drilling and production.

In addition, the following actions are necessary to fully comply with this approval:

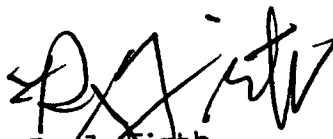
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2
San Juan Minerals Exploration Company
Well Name Nordeen 86-2
April 4, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at each drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31252.

Sincerely,



R. J. Pirth
Associate Director, Oil & Gas

as
Enclosures
cc: D. R. Nielson

8159T

SAN JUAN MINERALS EXPLORATION COMPANY

ROUTE 1, BOX 52

BLYTHE, CALIFORNIA 92225

March 19, 1987

033112

Oil Gas and Mining
355 W North Temple
3 Traid Center Suite 350
Salt Lake City, UT 84180-1203

Re: Application for Extension

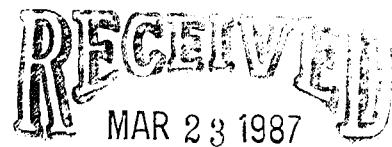
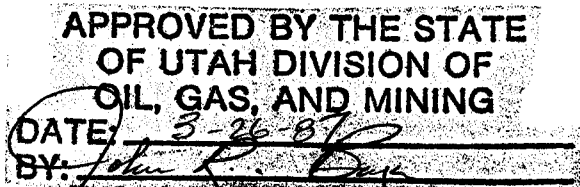
We request an extension on approval to drill Well Nordeen 86-2 - NE NW
Sec. 5 T 42 S R 19E - API# 43 037 31252

A drilling contractor is available in the area at this time. We would like to commence drilling if our extension is granted. Current permit is scheduled to expire on 4-4-87.

Sincerely,

Jack Williams
Jack Williams

*Extension granted for one year
- expires 4-4-88*



DIVISION OF
OIL, GAS & MINING



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
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Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

August 18, 1988

San Juan Minerals Exploration Co.
Rt. 1 Box 52
Blythe, California 92225

Gentlemen:

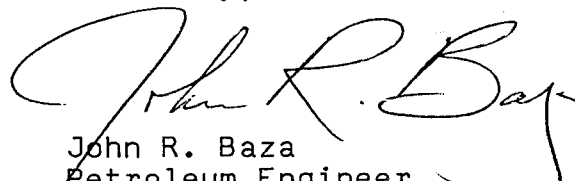
Re: Nordeen 86-2, Sec.5, T.42S, R.19E, San Juan County, Utah,
API NO. 43-037-31252

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded, effective immediately.

Please note that a new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,



John R. Baza
Petroleum Engineer

tc
cc: Dianne R. Nielson
R. J. Firth
BLM-Moab
Well file
0327T